

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	306	375/283	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:09
L5	353	375/330	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:09
L6	397	DQPSK with QPSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:32
L7	21	4 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:29
L8	353	5 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:10
L9	16	5 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:10
L10	19	(DQPSK with QPSK).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:34
L11	32	(DQPSK and QPSK).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:34

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L12	18	"g.sub.i" and "b.sub.i" and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L13	2	"6829314".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L14	21	dqpsk with demodulator with qpsk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L15	1	"09/929714"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L16	194	dqpsk with demodulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L17	1566128	dqpsk with demodulator and "3" ad bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L18	15	dqpsk with demodulator and "3" adj bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L19	397	DQPSK with QPSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35

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L20	698	dqpsk adj modulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L21	127	dqpsk adj modulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L22	0	"2001/0031024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L23	1	DQPSK same QPSK same "xor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L24	9	DQPSK with QPSK with degree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:52
L25	4	DQPSK with QPSK with conversion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:40
L26	48	DQPSK and QPSK and "xor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L27	2	"5369378".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35

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L28	39	dqpsk adj modulator and (two adj bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L29	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L30	2	"5313493".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L31	2	"20010031024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L32	68	dqpsk adj demodulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L33	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L34	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L35	2	"5313493".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35

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L36	2	"5369378".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L37	12	("4481640" "4628271" "4922206" "5007068").PN. OR ("5313493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 15:35
L38	18	"g.sub.i" and "b.sub.i" and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L39	2	"6829314".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:35
L40	10	"08/218236"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:41
L41	2	"5909460".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:42
L42	2	"5673291".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:42
L43	24	DQPSK with QPSK with (convert\$3 or traslat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 15:52



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Further, there is a need for more simple technique for **translating** **Pi/4 DQPSK** symbols into **QPSK** symbols. Yet further, there is a need for an optimized and ...
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The maximum delay spread for **pi/4-DQPSK** modulation is 41.152 us. (ie one symbol) ...
136 and 136+ supports most ISDN features via **translation** functions. ...
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translation device. The complexity of. these systems range from office to ... The **Pi/4 DQPSK** system uses two. **QPSK** constellations offset by 45 ...
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sideband of The mixer output at each frequency **translation** and therefore there are ...
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used for **QPSK** transmission, IEEE J. Select Areas Communications, vol. ...

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- ☐ 1. DIVERSITY PI/4-DQPSK DEMODULATION
DENT, Paul, W. / CROFT, Thomas, M. / ERICSSON, INC., PATENT COOPERATION TREATY APPLICATION, Oct 1995
I DIVERSITY **PI/4-DQPSK** DEMODULATION BACKGROUND...modulation scheme such as **Pi/4-DQPSK**. The use of **Pi/4-DQPSK**...diagram of a single channel **Pi/4-DQPSK** receiver according to...values can be numerically **converted** to Cartesian (I,Q) components...
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- ☐ 2. EFFICIENT APPARATUS FOR SIMULTANEOUS MODULATION AND DIGITAL BEAMFORMING FOR AN ANTENNA ARRAY
DENT, Paul, W. / ERICSSON INC., EUROPEAN PATENT, Sep 1998
...signals such as speech, are **converted** to digital signals using AtoD **convertors** 10. The output signals from the AtoD **converter** 10 may, for example, be PCM...modulation techniques such as PSK, **QPSK**, Offset-**QPSK**, **Pi/4-DQPSK**, 16QAM and so on. In PSK...
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- ☐ 3. Communications Blockset User's Guide [PDF-613K]
Sep 2000
...1-12 Unbuffering to **Convert** Vectors to Scalars...1-18 Buffering to **Convert** Scalars to Vectors4-86 Bit to Integer **Converter**...
[[http://www.socsci.umn.edu/doc/matlab/pdf_doc/commblocks/...](http://www.socsci.umn.edu/doc/matlab/pdf_doc/commblocks/)]
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- ☐ 4. ENEE429W [Word-19K]
Nov 1999
...displays for FM, FSK, BPSK, and **QPSK** signal demodulation. To speed...bit 40 Msample/second A/D **converter**, Texas Instruments TMS320C50...simulate BPSK demodulation and **QPSK** demodulation scheme. The constellation...HSP50214 EVALUATION BOARD **Pi/4 DQPSK** Modulator Amplifier **Pi/4 DQPSK** Demodulator Amplifier I...
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Kuhn and VPI & SU 1995 APPROVED: Aicha Elshabini-Riad, Co-chairman F. William Stephenson, Co-chairman Peter M. Athanas Lee W. Johnson Charles W. Bostian Timothy Pratt December, 1995 Blacksburg, Virginia Design of Integrated, Low Power, Radio Receivers in BiCMOS Technologies by William B.

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☐ 6. SIMULTANEOUS DEMODULATION AND DECODING OF A DIGITALLY MODULATED RADIO SIGNAL

DENT, Paul, W. / Ericsson Inc., EUROPEAN PATENT, Aug 1996

...modulation scheme known as **Pi/4-DQPSK** can be used in which the phase...signal to be transmitted is **converted** into a digital bitstream by...kilosamples/second PCM AtoD **convertor** followed by a Residual Excited...similar circuit. Encoder 20 **converts** speech to a low bitrate while...

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☐ 7. SIMULTANEOUS DEMODULATION AND DECODING OF A DIGITALLY MODULATED RADIO SIGNAL

DENT, Paul, W. / ERICSSON INC., PATENT COOPERATION TREATY APPLICATION, Mar 1996

...modulation scheme known as **Pi/4-DQPSK** can be used in which the phase...signal to be transmitted is **converted** into a digital bitstream by...kilosamples/second PCM AtoD **convertor** followed by a Residual Excited...similar circuit. Encoder 20 **converts** speech to a low bitrate while...

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☐ 8. Design of Integrated Low Power Radio [PDF-401K]

Oct 1998

Kuhn and VPI & SU 1995 APPROVED: Aicha Elshabini-Riad, Co-chairman F. William Stephenson, Co-chairman Peter M. Athanas Lee W. Johnson Charles W. Bostian Timothy Pratt December, 1995 Blacksburg, Virginia Design of Integrated, Low Power, Radio Receivers in BiCMOS Technologies by William B.

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IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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IEEE CNF IEEE Conference Proceeding

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- ☐ 1. **Channel outage performance of QPSK and $\pi/4$ -DQPSK in a multipath fading envirc**
 Haines, R.J.; Aghvami, A.H.;
Personal, Indoor and Mobile Radio Communications, 1992. Proceedings, PIMRC '92., TI
IEEE International Symposium on
 19-21 Oct. 1992 Page(s):493 - 497
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- ☐ 2. **DOQPSK-differential demodulation of filtered offset QPSK**
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Vehicular Technology Conference, 1994 IEEE 44th
 8-10 June 1994 Page(s):1542 - 1546 vol.3
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- ☐ 3. **Modem/radio IC architectures for ISM band wireless applications**
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Consumer Electronics, IEEE Transactions on
 Volume 39, Issue 2, May 1993 Page(s):100 - 106
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- ☐ 4. **16-state nonlinear equalizer for IS-54 digital cellular channels**
 Chou, W.P.; McLane, P.J.;
Vehicular Technology, IEEE Transactions on
 Volume 45, Issue 1, Feb. 1996 Page(s):12 - 25
 Digital Object Identifier 10.1109/25.481816
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- ☐ 5. **Millimeter-wave amplitude-phase modulator**
 Martynyuk, A.E.; Martynyuk, N.A.; Khotiaintsev, S.N.; Vountesmeri, V.S.;
Microwave Theory and Techniques, IEEE Transactions on
 Volume 45, Issue 6, June 1997 Page(s):911 - 917
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6. **Performance of adaptive transmit power control in $\pi/4$ DQPSK mobile radio system flat Rayleigh fading channels**
Canchi, R.; Akaiwa, Y.;
[Vehicular Technology Conference, 1999 IEEE 49th](#)
Volume 2, 16-20 May 1999 Page(s):1261 - 1265 vol.2
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7. **New results on the effects of nonlinear amplifiers on DOQPSK and $\pi/4$ -DQPSK signals**
Hischke, S.; Habermann, J.;
[Personal, Indoor and Mobile Radio Communications, 1998. The Ninth IEEE International Symposium on](#)
Volume 1, 8-11 Sept. 1998 Page(s):386 - 390 vol.1
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8. **Understanding linearity in wireless communication amplifiers**
Struble, W.; McGrath, F.; Harrington, K.; Nagle, P.; Rand, S.;
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3-6 Nov. 1996 Page(s):295 - 298
Digital Object Identifier 10.1109/GAAS.1996.567893
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9. **An improved $\pi/4$ -DQPSK compatible Feher's " $\pi/4$ -FQPSK" nonlinearly amplified modulation**
Mao Yu; Feher, K.;
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Volume 1, 25-28 July 1995 Page(s):226 - 230 vol.1
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10. **A digital Rayleigh fade compensation technique for coherent IJF-QPSK systems**
Yang, J.; Feher, K.;
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11. **Modulation/microwave integrated digital wireless developments**
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[Microwave Theory and Techniques, IEEE Transactions on](#)
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